

In the United States Patent and Trademark Office

Serial Number: _____

Appn. Filed: _____

Applicant(s): Collins Solomon, Jr

Appn. Title: Adjustable piston pump

Examiner/GAU: _____ / _____

Mailed: 2003 December 31, Wed.

At: Fullerton, CA

Information Disclosure Statement

Commissioner of Patents and Trademarks

Washington, District of Columbia 20231

Sir:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the reference cited thereon.

Hitecock shows a construction that stores air to be injected into a pipe for flushing purposes with no means of extracting material and no adjustable piston.

Kling shows a construction that must be installed within the piping system to operated effectively with no means of extracting sampls and no adjustable piston.

Wikelund shows a construction that needs to be a part of a closed piping system filled with water with no extraction capability and no method of piston seal adjustment.

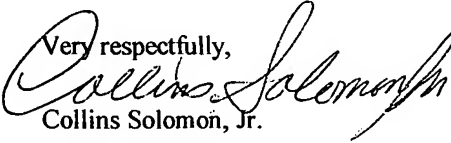
Stor vik shows a construction that must make a seal with a pipe. Water must be dawn into this construction from the sink's water supply and then force into the drain in a uni-directional flow pattern. This construction has no extraction capability and no method of piston seal adjustment.

Canham shows a hydraulic plunger composed of a piston therein which opens into a drain for unclogging a drain with no extraction capability and no method of piston seal adjustment.

None of the references show an **adjustable piston** for a **pump** nor do they show an **adjustable piston** for a **pump** that is adjustable from the handle of a pump.

Also, none of the references show a **bi-directional** means for a **bi-directional** flow pattern for displacement and or extraction of remnant.

Finally, none of the references show an **area for retaining samples** and or **remnant** as recited in independent claim 1 and its dependent claims 2 and 3.

Very respectfully,

Collins Solomon, Jr.
Applicant Pro Se

ATTY. DOCKET NO.

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

COLLINS SOLOMON, JR.

FILING DATE

2003 December, 31

GROUP

4,417,419

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		1 769 061	1930	LOUIS N. HITCHCOCK			
AB		2 259 644	1941	LOUIS A. KLING	417	234,437	
AC		2 267 064	1941	EDWIN WIKEDUND	419	569 577	
AD		2 456 092	1948	RASMUS STOREVIT	4	255.01 -06	
AE		4 053 955	1977	MORRIS H. CANHAM	310	30	
AF							
AG							
AH							
AI							
AJ							
AK							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL								
AM								

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.